

EXECUTION AND POWER OF ATTORNEY FOR PATENT APPLICATION

(For Intel Corporation Patent Applications)

elow named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below, next to my name.

I believe I am the original, first, and sole inventor (if only one name is listed below) or an original, first,

and joint inventor (if plu a patent is sought on the		ow) of the subject matter which	is claimed and for which
METHOD	AND APPARATUS F	OR STORING DATA IN FLA	SH MEMORY
the specification of whic	h		
	on June 27, 2001 <u>V</u> United States Application or PCT International	ation Number <u>09/892,816</u> Application Number <u>(if applicable)</u>	
including the claim(s), a believe that the claimed invention thereof, or pate thereof or more than one the United States of Am been patented or made the any country foreign to	invention was ever known invention was ever known that or described in an experience prior to this appliance more than one year esubject of an inventor the United States of some than twelve more	stand the contents of the above endment referred to above. I own or used in the United State y printed publication in any con- ication, that the same was not in ar prior to this application, and ar r's certificate issued before the America on an application finths (for a utility patent applica- ion.	do not know and do not es of America before my antry before my invention in public use or on sale in that the invention has not date of this application in ided by me or my legal
I acknowledge the duty t in Title 37, Code of Fede		on known to me to be material to 1.56.	o patentability as defined
foreign application(s) for	r patent or inventor's ce atent or inventor's certifi	Fitle 35, United States Code, S rtificate listed below and have icate having a filing date before	also identified below any
Prior Foreign Application	n(s)		Priority <u>Claimed</u>
(Number)	(Country)	(Foreign Filing Date)	Yes No
(Number)	(Country)	(Foreign Filing Date)	Yes No

Atty. Docket No.:42390.P11006 U.S. Application S/N: 09/892,816

(Number)

Rev. 10/03/00 (TX) (D3 Intel)

Yes No

(Country)

(Foreign Filing Date)

	(Filing Date)	
Application Number	(Filing Date)	
application(s) listed below as application is not disclosed in first paragraph of Title 35, Uninformation known to me to be Regulations, Section 1.56 which and the national or PCT internations.	nd, insofar as the subject the prior United States applied States Code, Section 11 be material to patentability a ch became available between ational filing date of this app	
Application Number	Filing Date	Status patented, pending, abandoned
Application Number	Filing Date	Status patented, pending, abandoned
* *		

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of First/Joint Inventor Richard A. M	lcGrew	
Inventor's Signature	Date	18/01
Residence Folsom, California	Citizenship <u>USA</u>	(0)
(City, State)		(Country)
Post Office Address 100 Echo Court		
Folsom, California 95630		
Full Name of Second/Joint Inventor Richard P. Garne	er	
Inventor's Signature	Date	
Residence Cameron Park, California	Citizenship <u>USA</u>	
(City, State)		(Country)
Post Office Address 4860 Trails End Road		
Cameron Park, California 9568	32	

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APPENDIX A

William E. Alford, Reg. No. 37,764; Farzad E. Amini, Reg. No. 42,261; William Thomas Babbitt, Reg. No. 39,591; Carol F. Barry, Reg. No. 41,600; Jordan Michael Becker, Reg. No. 39,602; Lisa N. Benado, Reg. No. 39,995; Bradley J. Bereznak, Reg. No. 33,474; Michael A. Bernadicou, Reg. No. 35,934; Roger W. Blakely, Jr., Reg. No. 25,831; R. Alan Burnett, Reg. No. 46,149; Gregory D. Caldwell, Reg. No. 39,926; Thomas M. Coester, Reg. No. 39,637; Donna Jo Coningsby, Reg. No. 41,684; Florin Corie, Reg. No. 46,244; Dennis M. deGuzman, Reg. No. 41,702; Stephen M. De Klerk, Reg. No. 46,503; Michael Anthony DeSanctis, Reg. No. 39,957; Daniel M. De Vos, Reg. No. 37,813; Justin M. Dillon, Reg. No. 42,486; Sanjeet Dutta, Reg. No. 46,145; Matthew C. Fagan, Reg. No. 37,542; Tarek N. Fahmi, Reg. No. 41,402; George Fountain, Reg. No. 37,374; James Y. Go, Reg. No. 40,621; James A. Henry, Reg. No. 41,064; Libby N. Hope, Reg. No. 46,774; Willmore F. Holbrow III, Reg. No. 41,845; Sheryl Sue Holloway, Reg. No. 37,850; George W Hoover II, Reg. No. 32,992; Eric S. Hyman, Reg. No. 30,139; William W. Kidd, Reg. No. 31,772; Sang Hui Kim, Reg. No. 40,450; Walter T. Kim, Reg. No. 42,731; Eric T. King, Reg. No. 44,188; George Brian Leavell, Reg. No. 45,436; Kurt P. Leyendecker, Reg. No. 42,799; Gordon R. Lindeen III, Reg. No. 33,192; Jan Carol Little, Reg. No. 41,181; Robert G. Litts, Reg. No. 46,876; Joseph Lutz, Reg. No. 43,765; Michael J. Mallie, Reg. No. 36,591; Andre L. Marais, under 37 C.F.R. § 10.9(b); Paul A. Mendonsa, Reg. No. 42,879; Clive D. Menezes, Reg. No. 45,493; Richard A. Nakashima, Reg. No. 42,023; Chun M. Ng, Reg. No. 36,878; Thien T. Nguyen, Reg. No. 43,835; Thinh V. Nguyen, Reg. No. 42,034; Dennis A. Nicholls, Reg. No. 42,036; Robert B. O'Rourke, Reg. No. 46,972; Daniel E. Ovanezian, Reg. No. 41,236; Kenneth B. Paley, Reg. No. 38,989; Gregg A. Peacock, Reg. No. 45,001; Marina Portnova, Reg. No. 45,750; Randol W. Read, Reg. No. 43,876; William F. Ryann, Reg. 44,313; James H. Salter, Reg. No. 35,668; William W. Schaal, Reg. No. 39.018; James C. Scheller, Reg. No. 31,195; Jeffrey S. Schubert, Reg. No. 43,098; George P. Simion, Reg. No. 47,089; Jeffrey Sam Smith, Reg. No. 39,377; Maria McCormack Sobrino, Reg. No. 31,639; Stanley W. Sokoloff, Reg. No. 25,128; Judith A. Szepesi, Reg. No. 39,393; Vincent P. Tassinari, Reg. No. 42,179; Edwin H. Taylor, Reg. No. 25,129; John F. Travis, Reg. No. 43,203; Joseph A. Twarowski, Reg. No. 42,191; Tom Van Zandt, Reg. No. 43,219; Lester J. Vincent, Reg. No. 31,460; Glenn E. Von Tersch, Reg. No. 41,364; John Patrick Ward, Reg. No. 40,216; Mark L. Watson, Reg. No. 46,322; Thomas C. Webster, Reg. No. 46,154; and Norman Zafman, Reg. No. 26,250; my patent attorneys, and Firasat Ali, Reg. No. 45,715; Peggy Susan Howard Avalos, Reg. No. 42,274; Thomas S. Ferrill, Reg. No. 42,532; Charles P. Landrum, Reg. No. 46,855; and Raul Martinez, Reg. No. 46,904, my patent agents, of BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP, with offices located at 12400 Wilshire Boulevard, 7th Floor, Los Angeles, California 90025, telephone (310) 207-3800, and Alan K. Aldous, Reg. No. 31,905; Edward R. Brake, Reg. No. 37,784; Ben Burge, Reg. No. 42,372; Jeffrey S. Draeger, Reg. No. 41,000; Cynthia Thomas Faatz, Reg. No. 39,973; John N. Greaves, Reg. No. 40,362; Seth Z. Kalson, Reg. No. 40,670; David J. Kaplan, Reg. No. 41,105; Peter Lam, Reg. No. 44,855; Charles A. Mirho, Reg. No. 41,199; Leo V. Novakoski, Reg. No. 37,198; Thomas C. Reynolds, Reg. No. 32,488; Kenneth M. Seddon, Reg. No. 43,105; Mark Seeley, Reg. No. 32,299; Steven P. Skabrat, Reg. No. 36,279; Howard A. Skaist, Reg. No. 36,008; Gene I. Su, Reg. No. 45,140; Calvin E. Wells, Reg. No. 43,256, Raymond J. Werner, Reg. No. 34,752; Robert G. Winkle, Reg. No. 37,474; Steven D. Yates, Reg. No. 42,242; and Charles K. Young, Reg. No. 39.435; my patent attorneys, of INTEL CORPORATION; and James R. Thein, Reg. No. 31,710, my patent attorney with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith.

APPENDIX B

Title 37, Code of Federal Regulations, Section 1.56 Duty to Disclose Information Material to Patentability

- (a) A patent by its very nature is affected with a public interest. The public interest is best served, and the most effective patent examination occurs when, at the time an application is being examined, the Office is aware of and evaluates the teachings of all information material to patentability. Each individual associated with the filing and prosecution of a patent application has a duty of candor and good faith in dealing with the Office, which includes a duty to disclose to the Office all information known to that individual to be material to patentability as defined in this section. The duty to disclose information exists with respect to each pending claim until the claim is cancelled or withdrawn from consideration becomes abandoned. Information material to the patentability of a claim that is cancelled or withdrawn from consideration need not be submitted if the information is not material to the patentability of any claim remaining under consideration in the application. There is no duty to submit information which is not material to the patentability of any existing claim. The duty to disclose all information known to be material to patentability of any claim issued in a patent was cited by the Office or submitted to the Office in the manner prescribed by §§1.97(b)-(d) and 1.98. However, no patent will be granted on an application in connection with which fraud on the Office was practiced or attempted or the duty of disclosure was violated through bad faith or intentional misconduct. The Office encourages applicants to carefully examine:
 - (1) Prior art cited in search reports of a foreign patent office in a counterpart application, and
- (2) The closest information over which individuals associated with the filing or prosecution of a patent application believe any pending claim patentably defines, to make sure that any material information contained therein is disclosed to the Office.
- (b) Under this section, information is material to patentability when it is not cumulative to information already of record or being made of record in the application, and
- (1) It establishes, by itself or in combination with other information, a prima facie case of unpatentability of a claim; or
 - (2) It refutes, or is inconsistent with, a position the applicant takes in:
 - (i) Opposing an argument of unpatentability relied on by the Office, or
 - (ii) Asserting an argument of patentability.

A prima facie case of unpatentability is established when the information compels a conclusion that a claim is unpatentable under the preponderance of evidence, burden-of-proof standard, giving each term in the claim its broadest reasonable construction consistent with the specification, and before any consideration is given to evidence which may be submitted in an attempt to establish a contrary conclusion of patentability.

- (c) Individuals associated with the filing or prosecution of a patent application within the meaning of this section are:
 - (1) Each inventor named in the application;
 - (2) Each attorney or agent who prepares or prosecutes the application; and
- (3) Every other person who is substantively involved in the preparation or prosecution of the application and who is associated with the inventor, with the assignee or with anyone to whom there is an obligation to assign the application.
- (d) Individuals other than the attorney, agent or inventor may comply with this section by disclosing information to the attorney, agent, or inventor.

RATION AND POWER OF ATTORNEY FOR PATENT APPLICATION (For Intel Corporation Patent Applications)

named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below, next to my name.

I believe I am the original, first, and sole inventor (if only one name is listed below) or an original, first,

and joint inventor (if plur a patent is sought on the i		ow) of the subject matter which	h is claimed and for which
METHOD A	AND APPARATUS FO	OR STORING DATA IN FL	ASH MEMORY
the specification of which	ı		
	onJune 27, 2001 United States Applica or PCT International	ation Number 09/892,816 Application Number (if applicable)	as
including the claim(s), as believe that the claimed invention thereof, or pate thereof or more than one the United States of Ame been patented or made the any country foreign to	s amended by any ame invention was ever known the dor described in any year prior to this appli- rica more than one year e subject of an inventor the United States of more than twelve more	stand the contents of the above endment referred to above. If own or used in the United Start printed publication in any concation, that the same was not ar prior to this application, and r's certificate issued before the America on an application on this (for a utility patent applicant).	do not know and do not tes of America before my buntry before my invention in public use or on sale in that the invention has not date of this application in filed by me or my legal
I acknowledge the duty to in Title 37, Code of Feder		on known to me to be material a 1.56.	to patentability as defined
foreign application(s) for	patent or inventor's certifi	Fitle 35, United States Code, ratificate listed below and have icate having a filing date before	also identified below any
Prior Foreign Application	<u>(s)</u>		Priority <u>Claimed</u>
(Number)	(Country)	(Foreign Filing Date)	Yes No
(Number)	(Country)	(Foreign Filing Date)	Yes No

Atty. Docket No.:42390.P11006 U.S. Application S/N: 09/892,816

(Number)

Rev. 10/03/00 (TX) (D3 Intel)

Yes No

(Country)

(Foreign Filing Date)

application(s) listed below and application is not disclosed in the first paragraph of Title 35, Unite	, insofar as the subject ne prior United States app	matter of each of the claims of th
application(s) listed below and application is not disclosed in the first paragraph of Title 35, Unite	, insofar as the subject ne prior United States app	Code, Section 120 of any United State matter of each of the claims of the blication in the manner provided by the state of the control of the
	material to patentability a became available between	2, I acknowledge the duty to disclose a as defined in Title 37, Code of Feder in the filing date of the prior application
Application Number	Filing Date	Status patented,

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of First/Joint Inventor Richard	A. McGrew
Inventor's Signature	Date
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Inventor's Signature Richal P. Hum	Date <u>8/14/01</u>
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Cameron Park, California	95682

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(D3 Intel)